PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| Applicant's or agent's file reference | FOR FURTHER | See Form DCT/ICA/200 | | | | | |
|--|--|---|--|--|--|--|--|
| 2004.001 WO | | see Form PCT/ISA/220 as, where applicable, item 5 below. | | | | | |
| International application No. | International filing date (day/month/year) | (Earliest) Priority Date (day/month/year) | | | | | |
| PCT/EP2005/000562 | 18/01/2005 | 22/01/2004 | | | | | |
| Applicant | | | | | | | |
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| AKZO NOBEL N.V. | | | | | | | |
| This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. | | | | | | | |
| This International Search Report consists of | of a total of sheets. | | | | | | |
| It is also accompanied by a | It is also accompanied by a copy of each prior art document cited in this report. | | | | | | |
| 1. Basis of the report | | | | | | | |
| a. With regard to the language, the ir language in which it was filed, unle | nternational search was carried out on the bases otherwise indicated under this item. | is of the international application in the | | | | | |
| The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)). | | | | | | | |
| b. X With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I. | | | | | | | |
| 2. Certain claims were foun | Certain claims were found unsearchable (See Box II). | | | | | | |
| 3. X Unity of invention is lack | ing (see Box III). | | | | | | |
| 4. With regard to the title, | | | | | | | |
| the text is approved as sub | mitted by the applicant. ed by this Authority to read as follows: | | | | | | |
| ule text has been establish | ed by this Admonty to lead as lollows. | | | | | | |
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| 5. With regard to the abstract, | | | | | | | |
| X the text is approved as sub | mitted by the applicant. | | | | | | |
| the text has been established may, within one month from | ed, according to Rule 38.2(b), by this Authority the date of mailing of this international search | as it appears in Box No. IV. The applicant report, submit comments to this Authority. | | | | | |
| 6. With regard to the drawings, | | | | | | | |
| a. the figure of the drawings to be published with the abstract is Figure No | | | | | | | |
| as suggested by the applicant. | | | | | | | |
| | Authority, because the applicant failed to sugg | _ | | | | | |
| | as selected by this Authority, because this figure better characterizes the invention. b. X none of the figures is to be published with the abstract. | | | | | | |
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International application No.

PCT/EP2005/000562

| Box | No. I | Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet) |
|-----|--------------|---|
| 1. | With inve | n regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed intion, the international search was carried out on the basis of: |
| | a. | type of material |
| | | a sequence listing |
| | | table(s) related to the sequence listing |
| | b. | format of material |
| | | X in written format |
| | | in computer readable form |
| | C. | time of filing/fumishing |
| | | X contained in the international application as filed |
| | | filed together with the international application in computer readable form |
| | | furnished subsequently to this Authority for the purpose of search |
| 2. | | In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished. |
| 3. | Addit | tional comments: |
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International Application No PCT/EP2005/000562

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07K14/195 C12N15/31 C07K16/12 C12Q1/68 A61K39/02 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) C12N A61K C07K C12Q IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, EMBL, BIOSIS, Sequence Search C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Category ° Relevant to claim No. DATABASE EMBL [Online] X 3,7 24 October 2002 (2002-10-24), GEBHART C.J. ET AL.: "Genomic Sequence Survey of Lawsonia intracellularis, the causative agent of proliferative enteropathy, identifies numerous genes of relevance to diagnosis, virulence and immunoprophylaxis" XP002269209 retrieved from EMBL accession no. BH795495 Sequence data WO 02/26250 A (UNIV ARIZONA) 1-27 4 April 2002 (2002-04-04) the whole document Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but "A" document defining the general state of the art which is not cited to understand the principle or theory underlying the considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention citation or other special reason (as specified) cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled other means in the art. "P" document published prior to the international filing date but "&" document member of the same patent family later than the priority date claimed Date of the actual completion of the international search Date of mailing of the international search report 19 -08- 2005 10 June 2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Hix, R Fax: (+31-70) 340-3016

International Application No
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| C (Continue | ation) DOCUMENTS CONSIDERED TO BE RELEVANT | <u> </u> | |
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